

Case 3322

***Baetis pentaplebodes* Ujhelyi, 1966 (Insecta, Ephemeroptera):
proposed precedence over *Baetis nexus* Navás, 1918**

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Abstract. The purpose of this application, under Article 23.9.3 of the Code, is to conserve the specific name *Baetis pentaplebodes* Ujhelyi, 1966 for a well-known European mayfly (family BAETIDAE). The name is threatened by the senior subjective synonym *Baetis nexus* Navás, 1918, which has been seldom used since its first publication. Therefore, precedence of the name *Baetis pentaplebodes* Ujhelyi, 1966 is proposed.

Keywords. Nomenclature; taxonomy; Ephemeroptera; BAETIDAE; *Baetis pentaplebodes*; *Baetis nexus*; Hungary; Spain; mayflies.

1. The mayfly species *Baetis nexus* was described in 1918 (Navás, 1918, pp. 38–39) from the type locality San Joan de l’Erm, Catalonia, Spain, and since then, prior to Alba-Tercedor’s (2002) revision, the name had been mentioned only five times, by Müller-Liebenau (1969), Puthz (1978) (in both cases as nomina dubia), Alba-Tercedor (1981, 1984) and Alba-Tercedor & Peters (1985).

2. However, the same species is well known under the name *Baetis pentaplebodes* Ujhelyi, 1966. Since its original description from Hungary (Ujhelyi, 1966, pp. 206–210), type locality Veresegyház, it has been mentioned in faunistic lists (Keffermüller, 1972; Soldán, 1978; Kazanci, 1984; Thomas et al., 1986; Adam, 1991; Bauernfeind & Weichselbaumer, 1991; Russev, 1993), Ephemeroptera check-lists (Puthz, 1978), autoecological studies (Camousseight & Fontaine, 1990), identification keys (Bauernfeind, 1994; Bauernfeind & Humpesch, 2001), morphological papers (egg description by Kopelke & Müller-Liebenau, 1981) and in the red lists of threatened species (Sowa, 1992).

3. Alba-Tercedor (2002, p. 78) proposed the synonymy of *Baetis pentaplebodes* Ujhelyi, 1966 and *Baetis nexus* Navás, 1918 and suggested that the latter name should be used as valid. This opinion was supported by Alba-Tercedor & Jáimez-Cuéllar (2003) and Jacob (2003), but not by Haybach & Malzacher (2003) or Kovács & Bauernfeind (2003).

4. Since *B. nexus* has been used as a valid name by Alba-Tercedor (2002), Alba-Tercedor & Jáimez-Cuéllar (2003) and Jacob (2003), the requirements of Article 23.9.1.1 (Reversal of Precedence) of the Code are not met. However, the name *B. pentaplebodes* has been used as a valid name in at least 35 original scientific papers, monographs and reviews since 1969 by at least 20 authors. Hence the provisions of Article 23.9.1.2 of the Code are met (see Müller-Liebenau, 1969; Keffermüller, 1972; Soldán, 1978; Landa & Soldán, 1985; Thomas et al., 1986; Grimm, 1988; Bauernfeind, 1990; Camousseight & Fontaine, 1990; Sowa, 1990; Weichselbaumer & Sowa, 1990; Adam, 1991; Bauernfeind & Weichselbaumer, 1991; Jażdżewska & Gorczynzki, 1991; Sowa, 1992; Russev, 1993; Bauernfeind, 1994; Glazaczow, 1994; Marten, 1994; Jażdżewska, 1995; Moog, 1995; Moog et al., 1995; Marten et al., 1996; Peissner et al., 1996; Thomas & Masselot, 1996; Marten, 1997; Moog et al., 1997; Schmidt-Kloiber, 1997; Marten et al., 1999; Bauernfeind & Humpesch, 2001; Horsák, 2001; Jażdżewska, 2001; Haybach & Malzacher, 2002).

5. Because the usage of the name *B. nexus* would cause confusion and instability in nomenclature and ecology, we propose that the specific name *B. pentaplebodes* be given precedence over the name *B. nexus*, whenever the two are considered to be synonyms.

6. The International Commission on Zoological Nomenclature is accordingly asked:

- (1) to use its plenary power to give the name *pentaplebodes* Ujhelyi, 1966, as published in the binomen *Baetis pentaplebodes*, precedence over the name *nexus* Navás, 1918, as published in the binomen *Baetis nexus*, whenever the two are considered to be synonyms;
- (2) to place on the Official List of Specific Names in Zoology the following names:
 - (a) *pentaplebodes* Ujhelyi, 1966, as published in the binomen *Baetis pentaplebodes*, with the endorsement that it is to be given precedence over the name *nexus* Navás, 1918, as published in the binomen *Baetis nexus*, whenever the two are considered to be synonyms;
 - (b) *nexus* Navás, 1918, as published in the binomen *Baetis nexus*, with the endorsement that it is not to be given priority over the name *pentaplebodes* Ujhelyi, 1966, as published in the binomen *Baetis pentaplebodes*, whenever the two are considered to be synonyms.

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